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# ***ELIS Incident Report***

## ***Part A: General Information***

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Incident ID  
**I026631-001**

County: Middlesex      Incident Date:      through      Year:  
State: MA      Total Number:      Case #:  
Country: USA      Total Magnitude: 1,000's of bees      Weather:

**Incident Type**

☐ Aqua. Animal    ☒ Terr. Animal    ☐ Field Study  
☐ Aqua. Plant    ☐ Terr. Plant

Created: 8/6/2014

Updated: #####

**Abstract:**

In Middlesex County, MA, one homeowner found hundreds, if not thousands, of bumblebees and honey bees bees littering the sidewalks following the county's following spraying for mosquitoes with the product Anvil 10=10 (a.i. piperonyl butoxide and phenothrin). Sumthrin a very highly toxic pesticide to bees.

While it is unclear what killed the insects, several beekeepers across the state have experienced similar losses, losing up to 10,000 bees at a time, which they have attributed to pesticide spraying.

**Reports**

Package #	Incident #	Source	Report Date
026631	001	Globe Correspondent	7/9/2014

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# ***ELIS Incident Report***

## ***Part B: Pesticide Information***

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**I026631-001**

**County:** Middlesex

**State:** MA

**Date:**

**Pesticide:** Phenothrin (069005)

**Type:** I

**Use Site:** Residential

**Product:** Anvil 10+10

**Appl. Method:**

**Appl. Rate:**

**Formulation:** ULV Concentrate

**Air/Ground:** Gnd

**Legality:** Registered Use

**Certainty:** Probable

The product Anvil 10+10 (a.i. piperonyl butoxide and phenothrin) was applied to control mosquitos by Middlesex County, MA, is toxic to bees.

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**Pesticide:** Piperonyl butoxide (067501)

**Type:** I

**Use Site:** Residential

**Product:** Anvil 10+10

**Appl. Method:**

**Appl. Rate:**

**Formulation:** ULV Concentrate

**Air/Ground:** Gnd

**Legality:** Registered Use

**Certainty:** Probable

The product Anvil 10+10 (a.i. piperonyl butoxide and phenothrin) was applied to control mosquitos by Middlesex County, MA, is toxic to bees.

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# ***ELIS Incident Report***

## ***Part C: Species Information***

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**I026631-001**

**County:** Middlesex

**State:** MA

**Date:**

**1**

**Species:** Bumble bee

**Response:** Mortality

**Sci. Name:** Bombus sp.

**Magnitude:** 100s to 1,000s

**Taxon:** Insect

**Habitat:** Residential area

**Age:**

**Distance:** Vicinity

**Rt. of Exposure:** N/R

### **Necropsy**

**Number:**

**Condition:**

### **Cholinesterase**

**Number:**

**Activity:** um/g/min  
Percent of Normal

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### **Tissue Residues**

Sample Type	PC Code	Pesticide	N	Conc. (ppm)
No Data				-

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# ***EIIS Incident Report***

## ***Part D: Environmental Measurements***

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County:

State:

Date:

Common Name

PC Code

Degredate

**Concentrations  
in ppb****Min.****Max.****N****LOD****Water****Soil****Sediment****Foliage****Description****Concentration****N****LOD****Other Samples****Dissolved Oxygen (ppm)** to **pH** to